



SX-060D-LIN LINEAR WIDE RANGE MINIATURE SENSOR

SX-060D-LIN miniature single axis LINEAR inclination sensor provides an economical and reliable tilt sensing solution for applications requiring small size, superior LINEARITY, resolution, repeatability and symmetry. Rugged hermetic construction and MIL-SPEC temperature range make it perfectly suitable for numerous Wide range high precision OEM, military, medical, optical, automotive, range finder, alignment, automation, robotics and construction angle measurement applications. Innovative design, four set screw holes and small size facilitate uncomplicated wall mounting.

Specification	Data	Comments/units
Range	-70 to +70	arcdeg near-linear
Range	-60 to +60	arcdeg linear
Repeatability	< 0.03	arcdeg typical
Resolution	< 20	arcsec typical
Symmetry	< 3% @ 60°	% CCW & CW
Linearity	< 4% @ 60°	% CCW & CW
Linearity	< 3% @ 45°	% CCW & CW
Linearity	< 2 % @ 30°	% CCW & CW
Response time	< 40mSec	mSec see notes*#
Time constant	< 150 mSec	mSec see notes**#
Tot. settling time	< 300 mSec	mSec see notes***#
Temperature	-55 to +125	deg C storage
Temperature	-55 to +125	deg C operational
Construction	Alumina Ceramics	High Reliability



